

Full Text

AN 1980:41660 CAPLUS

DN 92:41660

TI Peptidic alkaloids. X. Approach for the synthesis of peptidic alkaloids.
1. Reactivity of N-tolylsulfonylaziridines towards reactive nucleophiles

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SO Tetrahedron (1978), 34(19), 2911-16
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DT Journal

LA French

AB In order to realize the stereospecific introduction of a phenol ether function at the β -position of amino acids, present in peptidic alkaloids, the regiochem. of ring opening reactions of the aziridines I ($R = H, Me, CHMe_2, Ph$), obtained from the corresponding $RCH(OH)CH(NH_2)CO_2H$ by a reported procedure (Okawa, K., et al., 1972), within nucleophiles (NaN_3 , $p-MeC_6H_4ONa$, NH_3 , $p-MeC_6H_4OH$) was examd. Only I ($R = Ph$) was cleaved regioselectively in each case to give $p-MeC_6H_4NHCHPhCHRCONHPh$ ($R = N_3$, OC_6H_4Me-p). The results are discussed in terms of electronic and steric factors.

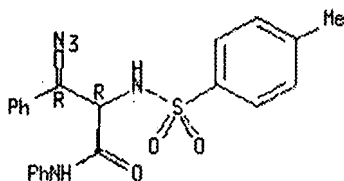
IT 70275-44-4P 70275-50-2P 70275-53-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 70275-44-4 CAPLUS

CN Benzenepropanamide, β -azido- α -[[[4-methylphenyl)sulfonyl]amino]-N-phenyl-, (R^*, R^*)- (9CI) (CA INDEX NAME)

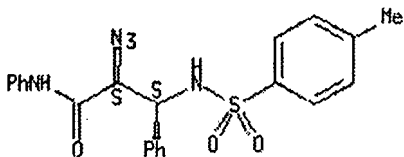
Relative stereochemistry.



RN 70275-50-2 CAPLUS

CN Benzenepropanamide, α -azido- β -[[[4-methylphenyl)sulfonyl]amino]-N-phenyl-, (R^*, R^*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 70275-53-5 CAPLUS

CN Benzenepropanamide, α -(4-methylphenoxy)- β -[[[4-methylphenyl)sulfonyl]amino]-N-phenyl-, (R^*, R^*)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

